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CLAIMS

1. A method of treating a subject having a skin condition selected from the group of conditions (a) those treatable by stimulation of melanocyte proliferation and (b) melanomas, which comprises administering to the subject an effective amount of a compound of formula (1)

$$(R^{1})_{m} \xrightarrow{R^{2}} R^{4} \xrightarrow{R^{4}} R^{6} \xrightarrow{R^{8}} R^{9}$$

$$(1)$$

wherein n = 0 or 1;

p is 0 or 1;

10 q is 0 or 1

when n = p = q = 0, R^3 and R^4 represent hydrogen or together represent a carbon to carbon double bond;

when n = 0 and one of p and q = 1, R³ and R³ together and one of R⁵ and R⁶ together or R² and R® together represent carbon to carbon double bonds, R³ and R⁴ together represent a carbon to carbon double bond and R⁵ and R⁶ or R² and R® represent hydrogen atoms, R³ and R⁴ represent hydrogen and one of R³ and R⁶ together or R² and R® together represent carbon to carbon double bonds or R³, R⁴, R⁵, R⁶, R² and R® all represent hydrogen atoms; when n = 0 and p = q = 1, R³ and R⁴ together and one of R⁵ and R⁶ together or R² and R® together represent carbon to carbon double bonds the other of R⁵, R⁶, R² and R® representing hydrogen, R³ and R⁴ together represent a carbon to carbon double bond and R⁵ and R⁶ or R² and R® represent hydrogen atoms, R³ and R⁴ represent hydrogen and one of R⁵ and R⁶ together or R² and R® together represent carbon to carbon double bonds the other of R⁵, R⁶, R² and R® together or R² and R® together represent carbon to carbon double bonds the other of R⁵, R⁶, R² and R® representing hydrogen, R³ and R⁴ together, R⁵ and R⁶ together and R³ and R® together represent carbon double bonds or R³, R⁴, R⁵, R⁶, R² and R® together represent carbon double bonds or R³, R⁴, R⁵, R⁶, R² and R® all represent hydrogen atoms;

or optionally when n is 1 R² and R³ together represent a carbon to carbon double bond and one or more of R⁴ and R⁵ together, R⁵ and R⁶ together, R⁶ and R⁷ together or R⁷ and

 R^8 together represent a carbon to carbon double bond the other of R^4 to R^8 representing hydrogen;

m = 1, 2 or 3;

when m = 1, R^1 represents an alkoxy group having from 1 to 3 carbon atoms or a hydroxy group:

when m = 2, each R^1 independently represents an alkoxy group having from 1 to 3 carbon atoms or the two R^1 s together represent a 3', 4'-methylenedioxy group;

when m = 3, two R^1 s together represent a 3', 4/methylenedioxy group and the other R^1 represents an alkoxy group having from 1 to 3 carbon atoms or a hydroxy group;

R⁹ represents a pyrrolidino, piperidino, 4-methylpiperidino or morpholino group, a N-monoalkylamino group of 4 to 6 carbon atoms, a N-monocycloalkylamino group of 4 to 7 carbon atoms, a 3', 4'-methylenedioxy-substituted benzylamino or 2-phenethylamino group or R⁹ represents an alkoxy group of 1 to 6 carbon atoms; in any of its E, Z geometrically isomeric forms.

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- 2. The method of Claim 1, wherein the subject is a patient suffering from a melanoma.
- 3. The method of Claim 1, wherein the subject is a patient suffering from a skin disorder treatable by stimulation of melanocyte proliferation.
 - 4. The method of Claim 1, wherein the skin disorder is vitiligo.
- 25 5. The method of Claim 1, wherein the compound is administered topically to the area of the skin to be treated.
- 6. The method of Claim 1, wherein the compound of formula (1) is one in which:

 n = 0, one of p and q = 1 R³ and R⁴ together and one of R⁵ and R⁶ together or R⁷ and

 R⁸ together represent the second bond of a carbon to carbon double bond the other of R⁵,

 R⁶, R⁷ and R⁸ representing hydrogen, m=2, the R¹ groups together represent 3',4'-

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methylenedioxy and R⁹ represents a pyrrolidino, piperidino, morpholino, cyclohexylamino or isobutylamino group.

- 7. The method of Claim 6, wherein the compound is of the E, E geometric configuration.
- 8. The method of claim 1, wherein the compound of formula (I) is one in which n is 0, one of p and q is 1, R³, R⁴, R⁵, R⁶, R⁷ and R⁸ represent hydrogen and R⁹ is cyclohexylamino
- 9. The method of Claim 1, wherein the compound of formula (1) is piperine, being the E, E-isomer of the compound of formula (1) in which n = 0, one of p or q = 1, R^3 and R^4 together and one of R^5 and R^6 together or R^7 and R^8 together represent the second bond of a carbon to carbon double bond, the other of R^5 , R^6 , R^7 and R^8 representing hydrogen, m = 2, the R^1 groups together represent 3', 4'-methylenedioxy and R^9 represents piperidino, and the geometric configuration is E, E.
- 10. A method of treating a subject having a skin condition selected from the group of conditions (a) those treatable by stimulation of melanocyte proliferation and (b) melanomas, which comprises administering to the subject an effective amount of a compound of formula (1)

$$(R^{1})_{m} \xrightarrow{R^{2}} R^{4} \xrightarrow{R^{6}} R^{8}$$

$$R^{3} \xrightarrow{R^{5}} R^{7} \xrightarrow{Q} Q$$

$$(1)$$

in which

(a) n is 0, p and q are each 0 or 1, m is 2, the R¹s together represent a 3′, 4′-methylenedioxy group, R² and R³, together with the carbon atoms to which they are attached form a carbon to carbon double bond and, when p and q are each 0 or 1, R⁵ and

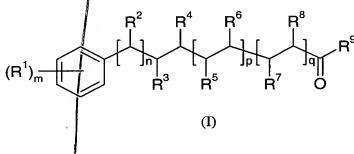
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R⁶ and R⁷ and R⁸ together with the carbon atoms to which they are attached, form a carbon to carbon double bond and R⁹ is piperidino, or

- (b) n is 0, one of p or q is 1 and (i) m is 3, the R¹s being 3', 4'-methylenedioxy and 6'-methoxy or (ii) m is 2, the R¹s being 3'-hydroxy-4'-methoxy; or (iii) m is 1 and the R¹ is 4'-hydroxy; and R³ to R³ are as defined in case (a) above, or
- (c) n is 0, one of p and q is 1, R is piperidino, pyroolidino, isobutylamino or methoxy and all other symbols are as defined in case (a) above, or
 - (d) n is 0, one of p and q is 1, R⁴ and R⁵ represent hydrogen atoms and either R² and R³ also do or R² and R³ together with the carbon atoms to which they are attached form a carbon to carbon double bond; and m, R¹ and R⁹ are as defined in case (a) above.
 - (e) n is 0, p = q = 1 and R^3/R^4 , R^5 , R^6 , R^7 and R^8 represent hydrogen;
 - (f) n is 0, one of p and q is 1, R³, R⁴, R⁵, R⁶, R⁷ and R⁸ represent hydrogen and R⁹ is cyclohexylamino; and
- in all of which cases (a) to (f) the molecule is in the E,E or all E geometric configuration or in case (a) when n is 1 may be in the Z,Z, Z,E or E,Z geometric configuration.
 - 11. The method of Claim 10, wherein the subject is a patient suffering from a melanoma.
 - 12. The method of claim 10, wherein the subject is a patient suffering from a skin disorder treatable by stimulation of melanocyte proliferation.
 - 13. The method of Claim 10, wherein the skin disorder is vitiligo.
- 25 14. A compound of formula (I)



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in which n is 0, one of p and q is 1, R³, R⁵, R⁶, R⁷ and R⁸ represent hydrogen and R⁹ is cyclohexylamino